

What is claimed is:

Sab B1

1 1. A mount to receive a cartridge processor having an
2 edge connector, comprising:
3 a motherboard connector to be mounted on a motherboard
4 to receive said edge connector with said processor in an
5 orientation parallel to said motherboard.

1 2. The mount of claim 1 further comprising:
2 guides to restrain said processor from movement.

1 3. The mount of claim 2, wherein said guides comprise a
2 pair of guide rails attached to said processor, and a pair
3 of guide slots attached to said motherboard, with said
4 guide slots configured to receive said guide rails.

1 4. The mount of claim 1, further comprising a case
2 surrounding said motherboard, said case having a slot
3 through which said connector can be inserted into said
4 receiving slot without removing said case.

Sab

1 5. The mount of claim 3, wherein said case has an
2 interior side and an exterior side, and wherein said
3 processor is visible from said exterior side.

1 6. The mount of claim 1, wherein said processor includes
2 a heat sink.

1 7. The mount of claim 1, wherein said motherboard
2 includes a heat sink, further comprising a heat sink
3 connector for connecting said heat sink to said processor.

1 8. The mount of claim 1, further comprising a lock for
2 preventing unauthorized removal of said processor from said
3 motherboard.

1 9. The mount of claim 8, wherein said lock comprises
2 teeth locks.

1 10. The mount of claim 8, wherein said lock comprises a
2 spring lock assembly.

1 11. The mount of claim 8, wherein said lock comprises a
2 clear plate for covering said slot in said case, and a lock
3 assembly for locking said plate to said case.

12. A mount for a processor, comprising:
1 a motherboard;
2 a receiving slot connected to said motherboard and
3 configured to receive a connector for a processor;
4 guides for guiding said connector into said receiving
5 slot, wherein said processor is horizontal to said
6 motherboard after said connector is inserted into said
7 receiving slot.
8

1 13. The mount of claim 12, wherein said guides include a
2 pair of guide slots connected to said motherboard, and a
3 pair of guide rails connected to said processor, with said
4 guide slots configured to receive said guide rails.

1 14. A mount for a processor, comprising:
2 a motherboard;
3 a single edge connector cartridge processor having a
4 connector;
5 a receiving slot connected to said motherboard and
6 configured to receive said connector;
7 guides for guiding said connector into said receiving
8 slot, wherein said processor is horizontal to said
9 motherboard after said connector is inserted into said
10 receiving slot.

1 15. The mount of claim 13, wherein said guides comprise a
2 pair of guide rails connected to said processor, and a pair
3 of guide slots connected to said motherboard, with said
4 guide slots configured to receive said guide rails.

1 16. A method of mounting a cartridge processor having an
2 edge connector on a motherboard comprising:
3 inserting the edge connector of said processor in a
4 connector on said motherboard, said processor having an
5 orientation parallel to said motherboard.

1 17. The method of claim 16 wherein in said inserting step,
2 said processor is inserted in said motherboard in a first
3 direction, the method further comprising:

4 restraining said processor from movement in directions
5 mutually perpendicular to said first direction.

Sub B5
1 18. A horizontal mount for a processor, comprising:
2 guides to guide a connector into a receiving slot on a
3 motherboard; and
4 a single edge connector cartridge processor having a
5 connector coupled to said motherboard in a direction
6 parallel to said motherboard.